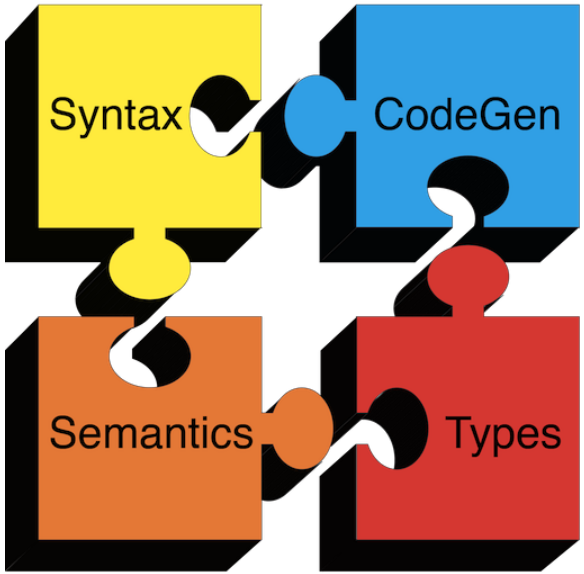

Compilers

Cool Overview

Cool Overview

- Classroom Object Oriented Language
- Designed to be implementable in a short time
- Give a taste of implementation of modern
  - Abstraction
  - Static typing
  - Reuse (inheritance)
  - Memory management
  - And more …
- But many things are left out

Cool Overview

- A complete compiler
  - Cool -> MIPS assembly language
- In 5 programming assignments (PAs)
  - Write a Cool program
  - Lexical analysis
  - Parsing
  - Semantic analysis
  - Code generation